

## COLLEGE OF SCIENCE AND TECHNOLOGY

Minutes of the Collegial Assembly  
December 9, 2004

**Robert Aiken** called the meeting to order at 2:50 PM. The following were present:

<b>Biology</b>	<b>CIS</b>	<b>Math</b>	<b>Dean's Office</b>
Amini	Hughes	Chein	Jenkins
Gruberg	Ingargiola	Conrad	Luehrmann
Sheffield	Kapps	Coughlin	
	Koffman	Hijab	<b>Library</b>
<b>Chemistry</b>	Korsh	Mendoza	
	Kwatny	Nathan	Lane
Jansen	LaFollette	Schiller	Szigetti
Nicholson	Poe		
Sieburth	Stafford	<b>Physics</b>	
Stanley	Wiesel		
	Wolfgang	Burkhardt	
<b>Geology</b>		Dubeck	
		Dziembowski	
Myer		Gawlinski	
Nyquist		Lyyra	
Terry		Martoff	
Ulmer		Meziani	
		Riseborough	

## Minutes

The minutes of November 11, 2004 were approved.

## Dean's Report

Enrollments are up again, by 11% over last fall. An increase of comparable magnitude is expected in the fall of 2005. Instructor shortages in Biology, Chemistry, and Physics were noted. The University may be considering enrollment management.

There are 4 or 5 applications for Technology Fee disbursements. These will be reviewed soon. It is anticipated that money will be left for further disbursement in the spring. Aiken asked if the College had guidelines for applications. The Dean replied that Greg Wacker has the guidelines, and that they could be put on the web.

Larry Alford has been selected as the new vice provost for libraries. His previous position was with the University of North Carolina Library System. He will arrive in early February, and a discussion of the future of science libraries is anticipated.

The Medical School is now conducting a review and documentation of research space utilization. Space will be classified according to the external funding it supports, on a per square meter basis. We can expect a similar process here soon. The strategic plan of the College envisions renovation and new construction, and a space review will have to occur before any progress can be made.

Appointment to the Graduate Faculty will be according to new criteria developed by the Graduate Committee.

The General Education requirements will soon replace the old core requirements. We will need to develop new courses for General Education. It would be appropriate for the Undergraduate Committee to appoint an ad hoc committee for the purpose of General Education course development.

## Faculty Senate Steering Committee

**Chein** reported that the president and Dan O'Hara have taken the general Education program for approval by the Academic Affairs committee of the Board of Trustees. Five to eight courses will be offered in each area. **Nathan** confirmed that the version presented by the president included significant features of the Senate proposal, but there were features that contradicted the Senate version as well. **Varnum** asked if the general education science courses would be allowed to have laboratories. Nathan said that lecture/demonstration or laboratories could be used.

# Committee Reports

## Undergraduate Committee

**Varnum** reported that the Undergraduate Committee was at work on General Education. Questions being considered include the advisability of offering a linked pair of 3-credit science courses, and how to structure interdisciplinary courses. Because not all of the science courses will be offered by CST, we need a strategy for course development that will produce courses that compete well for the approval of the General Education Committee and for student enrollment. The Committee assumes that implementation of the program will start in fall 2007.

With the encouragement of the Vice Provost for Undergraduate Studies, Peter Jones, the committee encourages the expansion of opportunities for honors students in their junior and senior years. It is gathering information on current practice in departments regarding honors, and recognition at graduation for distinction in major, and intends to produce guidelines for distinction, so that the practice in the College is more uniform..

Aiken asked if the existence of an honors program within a department was prerequisite to having undergraduate research courses in the department. Varnum replied that it was not the committee's intention to make that restriction.

**Sheffield** noted that now the University has a 2-year honors program. This is not the same as undergraduate research. Varnum replied that a 4-year program is needed.

**Ingargiola** said that the CIS department had discussed a model for distinction in major, and wanted to know what percentage of the graduating class should be awarded distinction.

It was noted that the Faculty Senate Steering Committee had discussed ways to enhance the honors program. Peter Jones has been an active supporter of a strengthened honors program, and will secure the resources necessary. His office is searching for an Associate Vice Provost for the honors program. Ruth Ost will remain as Director.

The Undergraduate Committee presented two motions.

**Motion 1** *The bachelor's degrees (BA and BS) in Computer & Information Sciences are renamed Computer Science. No changes in degree requirements are made.*

This motion passed unanimously. [Secretary's note: The proposed name change, being approved by the Assembly, will be submitted to the Vice Provost for University Studies. It will be effective when it reaches, and is approved by the Board of Trustees.]

**Motion 2** *Students who have completed 30 credit hours must declare, or have declared a major*

Background: A large number of pre-pharmacy students have not declared majors, and are currently not required to do so, because they intend to transfer into the Pharm.D. program if they are accepted. The majority of the pre-pharmacy students are not accepted, and are ill-prepared for any major.

Speaking against the motion, Nathan said that until two years ago, the pre-pharmacy students were in University Studies. If they had not been given to CST, they would not have to declare majors.

Varnum replied that competition is keener now. The default major is Chemistry, because the pre-pharmacy students take general and organic chemistry. Sheffield asked how these students fare as chemistry majors. Varnum replied that most of the chemistry majors were at one time pre-pharmacy students. Their performance is ok. **Nyquist** suggested that the pre-pharmacy students would have more options if they took physics and biology courses at a higher level — they currently do not take the introductory courses for majors in either department. **LaFollette** remarked that the proposed motion might solve a problem, because now Temple is admitting students to a program from which few will successfully emerge. Sheffield noted that Biology 101, a course now under stress because of high enrollments, might double in size. **Burkhardt** said that a General Science major might provide a suitable alternative. Varnum replied that the Committee was working on that. Nathan wondered what would happen if a student didn't declare a major. [Secretary's note: a dean's hold would prevent registration until the student saw an advisor and declared a major.] Nyquist asked what a General Science major would do. Varnum replied that it would not be a weak degree: it might involve completing two minors. Aiken suggested that this could be debated when a proposal is made to the Assembly. **Chein** wanted to know if a major had to be declared when a student had completed 30 credits, or 29. The answer: 30.

The motion passed, 17-0-4.

## Graduate Committee

**Riseborough** reported on the issue of graduate faculty membership. The graduate school wants 2 tiers, but the College has adopted only one. To qualify, a faculty member must have published in a research journal in the past 4 years, or must have a history of scholarly activity.

**Korsh** stated that the Graduate School had attempted to bypass a vote by the Graduate Faculty in making these rules, and asked if the Graduate Committee was giving away its prerogatives.

Riseborough said that according to the old policy, dean's appointments were not recognized as graduate faculty members. Now they can be non-voting members (only graduate faculty members on Presidential appointment can vote). Criteria that would allow adjunct faculty members to be (non-voting) graduate faculty are being considered.

Departments are undergoing program reviews in sequence. This year, Chemistry and Physics are to be reviewed. External reviews are just coming in. Next year, Biology and CIS will be reviewed.

## Strategic Plan for CST

There are 6 main goals, of which the first two are key.

1. Recruitment. We need to hire according to a phased plan that would balance lab scientists with researchers who have modest startup needs.
2. Building. Wachman Hall is overcrowded, administrative and library space are needed.
3. Undergraduate Study. An enhanced honors program, among other plans.
4. Graduate Study. Increase quality, provide additional resources for the research mission of the College.
5. Administration and Support. The College needs to replace Eric Grinberg with another associate dean for research. The Dean's Office needs a better facility. The College needs a functioning machine shop.
6. Alumni. The College needs to build an alumni database, and to form an Alumni Board.

**Meziani** was concerned that the purpose of an Academic Administration Building was unclear.

**Amini** pointed out that it was important that an Action Plan should be created soon after the completion of the Strategic Plan.

Items 3 and 6 were deferred to the Undergraduate Committee.

## **Dean Search**

Sheffield answered questions about the search. Aiken noted that the candidate visits must have been completed by mid-April. Sheffield said that the committee was well aware of that constraint. **Dubeck** asked if headhunters were employed. Sheffield said that they were probably not.

## **Adjournment.**

The meeting adjourned at 4:00.

Respectfully submitted,

Bruce Conrad